Joint Logistics Systems Center

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Depot Maintenance

Facility and Equipment Maintenance

As part of the Department of Defense's (DoD's) Depot Maintenance (DM) Toolbox of applications, the Facilities and Equipment Maintenance (FEM) System has been developed to provide the solution to facility and equipment resource planning.

FEM is adaptable and flexible. Designed for any level user, it can handle all aspects of equipment and facility maintenance, including: Work Order Management, Planning and Scheduling, Asset Management, Purchasing, Resource Management, and Reports and Analysis.

The DM Toolbox is the depot maintenance piece of a Corporate Information Management (CIM) initiative designed to improve management of operations and ensure interoperability across DoD logistics. The DM Toolbox ultimately represents an important milestone in the creation of a seamless logistics system, resulting in a streamlined logistics infrastructure and improved logistics response time.

FUNCTIONS

Work Order Management
• Provides all functionality necessary for processing daily work load

Planning and Scheduling
• Preventive Maintenance Masters are used to generate work orders for regularly performed procedures on either an elapsed time or equipment meter basis
• A Predictive Maintenance Capability is provided through associating PM Masters with pre-set alarm conditions (Condition Monitoring)

Asset Management
• The Job Plans and Work Order Tracking Equipment make up the Asset Management component

Purchasing
• Provides tools for preparing and printing Requisitions and Purchase Orders
• When parts are received, quantity and cost records are updated in the Inventory Module

The Future of Depot Maintenance is here...

FEM
Facility and Equipment Maintenance

Resource Management
- Inventory: Tracks assets, stocked and non-stocked parts; indicates when stock falls below user-defined minimum levels; creates requisitions to restock needed parts, and tallies parts received
- Resources: Provides the resources that are routinely used in maintenance management and are accessed by many FEM modules
- Labor: Contains information about employees, contractors, and crafts
- Calendars: Used to create schedules for equipment, craft and labor records

Reports and Analysis
- Notes: Creates and customizes database tables and application screens. User can query, update, insert and delete data from screens
- Setup: Creates and registers reports and applications
- Utilities: Unique system features that make the database administrator's life easier

BENEFITS

FEM provides significant benefits to DoD operations. The system will improve resource use and increase the efficiency of day-to-day plant maintenance functions. FEM functions as a powerful tool in a cost-effective, asset management program.

Tangible
- Elimination of redundant data entry into multiple systems
- More efficient use of spare parts, material, labor, and the capital equipment inventory
- The ability to identify critical parts needs and availability
- Extended equipment service life through improved maintenance

Intangible
- On-line data input with state-of-the-art information processing
- Contribution to Total Asset Visibility (TAV) across the depot
- Contribution to Total Capacity Visibility (TCV) across the depot

COMPLIANCE WITH REGULATORY REQUIREMENTS

- ISO 9000
- ANSI/NCFL 2540-1-1994
- C-2 Limited Security

ARCHITECTURE

HP9000/K200	486 w/16MB RAM
MAXIMO	TCP/IP
UNIX	TELNET
ORACLE	
TCP/IP	
TELNET	

SUMMARY

FEM provides a faster, more efficient, and ultimately better way to integrate several plant maintenance functions. FEM software is the industry standard and provides a robust solution to Depot facility and equipment management.